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U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

03909 U.S. PTO

022504

**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.

BP3005

First Inventor

Baoguo Yang

Title

SYSTEM AND METHOD TO IDENTIFY A MODULATION FORMAT  
OF A DATA FRAME WITHIN A CELLULAR WIRELESS NETWORK

Express Mail Label No.

EV381323421US

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents

**ADDRESS TO:**Box Patent Applications  
Washington, DC 20231

1. ☒ Fee Transmittal Form (e.g. PTO/SB/17)  
(submit an original and a duplicate for fee processing)

2. ☐ Applicant claims small entity status.  
See 37 CFR 1.27.

3. ☒ Specification (Total Pages 45)  
(preferred arrangement set forth below)  
-Descriptive title of the invention  
-Cross Reference to Related Applications  
-Statement Regarding Fed sponsored R&D  
-Reference to sequence listing, a table,  
or a computer program listing appendix  
-Background of the Invention  
-Brief Summary of the Invention  
-Brief Description of the Drawings (if filed)  
-Detailed Description  
-Claim(s)  
-Abstract of the Disclosure

4. ☒ Drawing(s) (35 U.S.C. 113) (Total Pages 11)

5. Oath or Declaration (Total Pages 2)  
a. ☒ Newly executed (original or copy)  
Copy from a prior application (37 CFR 1.63 (d))  
b. ☐ (for continuation/divisional with Box 18 completed)

- i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s)  
named in the prior application, see 37 CFR  
1.63(d)(2) and 1.33(b).

6. ☐ Application Data Sheet. See 37 CFR 1.76

7. ☐ CD-ROM or CD-R in duplicate, large table or  
Computer Program (Appendix)

8. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)

- a. ☐ Computer Readable Form (CRF)  
b. Specification Sequence Listing on:  
i. ☐ CD-ROM or CD-R (2 copies); or  
ii. ☐ paper  
c. ☐ Statements verifying identity of above copies

**ACCOMPANYING APPLICATION PARTS**

9. ☒ Assignment Papers (cover sheet & documents(s))  
10. ☒ 37 CFR 3.73(b) Statement (when there is an assignee) ☒ Power of Attorney

11. ☐ English Translation Document (if applicable)  
12. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations

13. ☐ Preliminary Amendment  
14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)

15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)  
16. ☐ Request and Certification under 35 U.S.C. 122  
(b)(2)(B)(i). Applicant must attach form PTO/SB/35  
or its equivalent.

17. ☐ Other: \_\_\_\_\_

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment,  
or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No. \_\_\_\_\_

Prior application information:

Examiner:

Group Art Unit: \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under  
Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference.  
The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**19. CORRESPONDENCE ADDRESS**☒ Customer Number or Bar Code Labelor ☐ Correspondence address below

Name Robert A. McLauchlan

Address P. O. Box 160727

City Austin

State TX

Zip Code 78716-0727

Country USA

Telephone (512) 228-3611

FAX (512) 692-2529

Name (Print/Type)

Robert A. McLauchlan

Registration No. (Atty/Agent)

44,924

Signature

Date

2/23/2004

SEND TO: Assistant Commissioner for Patents, Washington, DC 20231

17497 U.S. PTO  
10/786258

022504

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Approved for use through 10/31/2002. CMB 0651-0012  
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE**FEE TRANSMITTAL  
for FY 2001**

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$5) \$1374.00

**Complete if Known**

Application Number	
Filing Date	
First Named Inventor	Baoguo Yang
Examiner Name	
Group Art Unit	
Atty Docket No.	BP3005

**METHOD OF PAYMENT**

1. ☐ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number 50-2126  
 Deposit Account Name Garlick, Harrison & Markison, LLP

- ☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17  
☐ Applicant claims small entity status. See 37 CFR 1.27

2. ☒ Payment Enclosed:

☐ Check ☒ Credit card ☐ Money Order ☐ Other

**FEE CALCULATION****1. BASIC FILING FEE**

Fee Description	Fee Paid
Utility filing fee	770.00
Design filing fee	
Plant filing fee	
Reissue filing fee	
Provisional filing fee	
<b>SUBTOTAL (1)</b>	<b>(\$5) \$770.00</b>

**2. EXTRA CLAIM FEES**

Fee From Below

Total Claims	Extra Claims	Fee Paid
Independent Claims <u>37</u>	-20** <u>17</u> x <u>18</u>	= <u>306.00</u>
Multiple Dependent Claims <u>6</u>	-3** <u>3</u> x <u>86</u>	= <u>258.00</u>

Fee Description  
 Claims in excess of 20  
 Independent claims in excess of 3  
 \*\*Reissue independent claims over original patent  
 \*\*Reissue claims in excess of 20 and over original patent

**SUBTOTAL (2)** (\$5) **564.00**

\*\*or number previously paid, if greater; For Reissues, see above

**FEE CALCULATION (continued)****3. ADDITIONAL FEES****Fee Description**

Surcharge-late filing fee or oath	
Surcharge-late provisional filing fee or cover sheet	
Non-english specifications	
For filing a request for ex parte reexamination	
Requesting publication of SIR prior to Examiner action	
Requesting publication of SIR after Examiner action	
Extension for reply within first month	
Extension for reply within second month	
Extension for reply within third month	
Extension for reply within fourth month	
Extension for reply within fifth month	
Notice of Appeal	
Filing a brief in support of appeal	
Request for oral hearing	
Petition to institute a public use proceeding	
Petition to revive - unavoidable	
Petition to revive unintentional	
Utility Issue Fee (or reissue)	
Design Issue Fee	
Plant Issue Fee	
Petitions to the Commissioner	
Processing fee under 37 CFR 1.17(q)	
Submissions of Information Disclosure Stmt	
Recording each patent assignment per property (times number of properties)	\$40.00
Filing a submission after final rejection (37 CFR 1.129(a))	
For each additional invention to be examined (37 CFR 1.129(b))	
Request for Continued Examination (RCE)	
Request for expedited Examination of design application	
Other fee (specify)	
Reduced by Basic Filing Fee Paid	
<b>SUBTOTAL (3)</b>	<b>\$40.00</b>

**SUBMITTED BY****Complete (if applicable)**

Name (Print Type)	Robert A. McLauchlan	Registration No. (Attorney Agent)	44,924	Telephone	(512) 228-3611
Signature	<i>Robert A. McLauchlan</i>	Date	2/23/2004		

SEND TO: Assistant Commissioner for Patents, Washington, DC 20231



BP3005

BROADCOM CORPORATION  
16215 Alton Parkway  
Irvine, California 92618

Phone: 949-450-8700  
Fax: 949-450-8710

May 20, 2003

To whom it may concern:

I, Henry Samueli, hereby authorize Dee Henderson, Intellectual Property Portfolio Manager, to execute documents relating to US and foreign patent and trademark matters on behalf of Broadcom Corporation and/or its subsidiaries.

A handwritten signature in cursive script, appearing to read 'H Samueli', is written over a horizontal line.

Henry Samueli, Ph.D.  
Chief Technical Officer and Co-Chairman

BP3005

Certificate Under 37 CFR 3.73(b)

Applicants:

Baoguo Yang

Nelson Sollenberger

Entitled: **SYSTEM AND METHOD TO IDENTIFY A MODULATION FORMAT OF A DATA FRAME WITHIN A CELLULAR WIRELESS NETWORK**

Application No. \_\_\_\_\_

Filing Date: \_\_\_\_\_

Broadcom Corporation

(Name of Assignee)

a, California Corporation

(Type of Assignee)

states that it is :

1. ☒ the assignee of the entire right, title, and interest; or  
2. ☐ an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either :

- A. ☒ An Assignment for the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title for the inventor(s) of the patent application/patent identified above to the current assignee as shown below:

1. From \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
2. From \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
3. From \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

- ☐ Additional documents in the chain of title are listed on a supplemental sheet.  
☒ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the PTO. See MPEP 302-302.8]

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

Date: \_\_\_\_\_

Name: Dee Henderson

Manager, Intellectual Property Portfolio

Title: \_\_\_\_\_

Signature:  \_\_\_\_\_